

FIGURE 1A

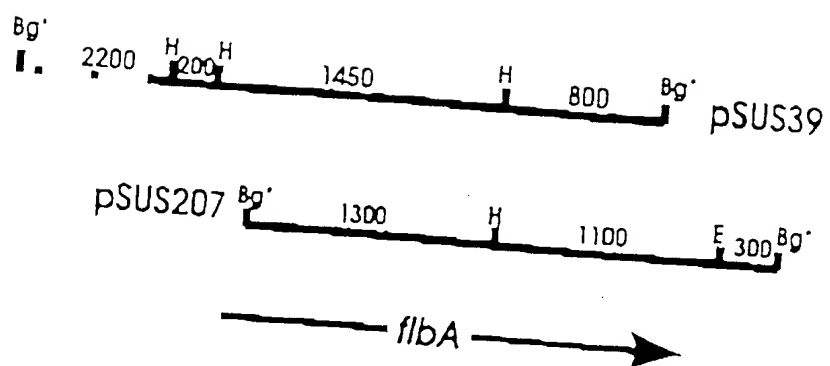


FIGURE 1B

1
 AGC TTT TTT GTG CCA TAC TTT TAA ACT TTA TAT TAT AAT AAG AGA CAA ACA CAC CTA CCA
 51
 AAA TTA AGG CAT TGA TTT TAG ATT ATG GCA AAC GAA CGC TCC AAA TTA GCT TTT AAA AAG
 91
 M A N E R S K L A F K K
 121
 ACT TTC CCT GTC TTT AAA CGC TTC TTG CAA TCC AAA GAC TTA GCC CTT GTG GTC TTT GTG
 151
 T F P V F K R F L O S K D L A L V V F V
 181
 ATA GCG ATT TTA GCG ATC ATT ATC GTG CCG TTA CCG CCT TTT GTG TTG GAT TTT TTA CTC
 211
 I A I L A I I I V P L P F F V L D F L L
 241
 ACG ATT TCT ATC GCG CTA TCG GTG TTG ATT ATT TTA ATC GGG CTT TAT ATT GAC AAA CCG
 271
 T I S I A L S V L I I L I G L Y I D K P
 301
 ACT GAT TTT AGC GCT TTC CCC ACT TTA TTA CTC ATT GTA ACC TTA TAC CGC TTG GCT TTA
 331
 T D F S A F P T L L L I V T L Y R L A L
 361
 AAT GTC GCC ACC ACT AGA ATG ATT TTA ACC CAA GGC TAT AAA GGG CCT AGC GCG GTG AGC
 391
 N V A T T R M I L T Q G Y K G P S A V S
 421
 ATT ATT ATC ACG GCG TTT GGG GAA TTT AGC GTG AGC GGG AAT TAT GTG ATT GGG GCT ATT
 451
 I I I T A F G E F S V S G N Y V I G A I
 481
 ATC TTT AGT ATT TTA GTG CTG GTG AAT TTA TTA GTG GTT ACT AAT GGT TCT ACT AGG GTT
 511
 I F S I L V L V N L L V V T N G S T R V
 541
 ACT GAA GTT AGC GCG CGA TTT GCC CTA GAC GCT ATG CCA GGA AAG CAA ATG GCG ATT GAT
 571
 T E V R A R F A L D A M P G K Q M A I D
 601
 GCG GAT TTA AAT TCA GGG CTT ATT GAT GAT AAG GAA GCT AAA AAA CGG CGC GCG GCT CTA
 631
 A D L N S G L I D D K E A K K R R A A L
 661
 AGC CAA GAA GCG GAT TTT TAT GGT GCG ATG GAT GCG GCG TCT AAA TTT GTG AAA GGC GAT
 691
 S O E A D F Y G A M D G A S K F V K G D
 721
 GCG ATC GCT TCT ATC ATT ATC ACG CTT ATC AAT ATC ATT GGG GST TTT TTA GTG GCG GTG
 751
 A I A S I I I T L I N I I G G F L V G V
 781
 TTC CAA AGG GAT ATG AGC TTG AGC TTT AGT GCT AGC ACT TTC ACT ATC TTA ACC ATT GCG
 811
 F O R D M S L S F S A S T F T I L T I G
 841
 GAT GCG CTT GTA GGG CAA ATC CCT GCC TTA ATC ATT GCG ACA CGG ACC GGT ATT GTC GCC
 871
 D G L V G O I P A L I I A T R T G I V A
 901
 ACT CGC ACC ACG CAA AAC GAA GAA GAG GAC TTT GCT TCT AAG CTC ATC ACA CAG CTC ACC
 931
 T R T T O N E E E D F A S K L I T Q L T
 961
 AAT AAA AGC AAA ACT TTA GTG ATT GTG GCG GCG ATT TAT TGC TTT TGC ACC ATT CCT GGA
 991
 N K S K T L V I V G A I Y C F C T I P G
 1021
 CTC CCT ACC TTT TCT TTA GCG TTT GTA GGG GCT CTC TTT TTA TTC ATC GCA TGG CTG ATT
 1051
 L P T F S L A F V G A L F L F I A W L I
 1081
 AGC AGG GAG GGA AAG GAC GGG TTG CTC ACT AAA TTA GAA AAT TAT TTG AGT CAA AAA TTC
 1111
 S R E G K D G L L T K L E N Y L S Q K F
 1141
 GGC TTG GAT TTG AGC GAA AAA CCC CAC AGC TCC AAA ATC AAA CCC CAC GCG CCC ACC ACA
 1171
 G L D L S E K P H S S K I K P H A P T T
 1201
 AGG GCT AAA ACC CAA GAA GAG ATT AAA AGA GAA GAG CAA GCG ATT GAT GAA GTG TTA
 1231
 R A K T O E E I K R E E E O A I D E V L

FIGURE 2A

1261 AAA ATT GAA TTT TTA GAA TTG GCT TTA GGC TAT CAG CTC TAC AGC TTA GCG GAC ATG AAA
 K I E F L E L A L G Y O L Y S L A D M K
 1291
 1321 CAA GGG GGC GAT TTG TTA GAA AGG ATT AGG GGT ATT AGA AAA AAG ATA GCG AGC GAT TAT
 O G G D L L E R I R G I R K K I A S D Y
 1351
 1381 GGT TTT TTG ATG CCT CAA ATT AGG ATT AGG GAT AAT TTA CAA CTC CCC CCA ACG CAT TAT
 G F L M P O I R I R D N L O L P P T H Y
 1411
 1441 GAA ATC AAG CTT AAG GGC ATT GTG ATT GGT GAA GGC ATG GTG ATG CCG GAT AAG TTT TTA
 E I K L K G I V I G E G M V M P D K F L
 1471
 1501 GCC ATG AAT ACC GGT TTT GTG AAT AAA GAA ATT GAA GGC ATT CCT ACT AAA GAG CCG GCT
 A M N T G F V N K E I E G I P T K E P A
 1531
 1561 TTT GGA ATG GAC GGT TTA TGG ATT GAA ACT AAA AAT AAA GAA GAA GCC ATC ATT CAA GGC
 F G M D A L W I E T K N K E E A I I Q G
 1591
 1621 TAT ACC ATT ATT GAT CCA AGC ACC GTT ATT GCG ACG CAC ACC AGC GAA TTA GTG AAA AAA
 Y T I I D P S T V I A T H T S E L V K K
 1651
 1681 TAC GCT GAA GAT TTT ATC ACT AAA GAT GAA GTG AAA TCC CTT TTA GAG CCG TTG GCC AAA
 Y A E D F I T K D E V K S L L E R L A K
 1711
 1741/591 GAC TAT CCT ACG ATT GTA GAA GAG AGT AAA AAA ATC CCC ACC GGT GCG ATC CGA TCA GTC
 D Y P T I V E E S K K I P T G A I R S V
 1771
 1801 TTG CAA GCC TTG TTG CAT GAA AAA ATC CCC ATT AAA GAC ATG CTC ACT ATT TTA GAA ACG
 L O A L L H E K I P I K D M L T I L E T
 1831
 1861 ATT ACC GAT ATT GCG CCA TTA GTT CAA AAC GAT GTG AAT ATC TTA ACC GAA CAA GTG AGG
 I T D I A F L V O N D V N I L T E O V R
 1891
 1921 GCG AGG CTT TCT AGG GTG ATC ACT AAC GGT TTT AAA TCT GAA GAC GGG CGT TTG AAA TTT
 A R L S R V I T N A F K S E D G R L K F
 1951
 1981 TTA ACC TTT TCT ACC GAT AGC GAA CAA TTT TTG CTT AAT AAA TTG CGA GAA AAT GGC ACT
 L T F S T D S E O F L L N K L R E N G T
 2011
 2041 TCT AAG AGC CTA CTA CTC AAT GTG GGC GAA TTG CAA AAA CTC ATT GAA GCG GTC TCT GAA
 S K S L L L N V G E L Q K L I E A V S E
 2071
 2101 GAG GCC ATG AAA GTC TTG CAA AAA GGC ATC CCT CCG GTG ATT TTG ATC GTA GAG CCT AAT
 E A M K V L O K G I A P V I L I V E P N
 2131
 2161 TTA AGA AAA GCC CTT TCT AAT CAA ATG GAG CAG GCT AGG ATT GAT GTA ATC GTG CTA AGC
 L R K A L S N O M E O A R I D V I V L S
 2191
 2221 CAT GCT GAA TTA GAT CCT AAC TCT AAT TTT GAA GCC TTA GGC ACG ATC CAT ATT AAC TTT
 H A E L D P N S N F E A L G T I H I N F
 2251
 2281 TAA GGG ATA AAT AAT TGA TAA AAA AGG AGA ATG ATG CAA GTT TAT CAC CTT TCA CAC ATT
 2311
 2341 GAT TTA GAC GGC TAT GCA TGC CAG CTT GTT TCA AAA CAA TTT TTT AAA AAT ATC CAA TGC
 2371
 2401 TAT AAC GCT AAT TAC GCG CGT GAA GTC TCA GCG AGA ATT TAT GAG ATT TTA AAC GCG ATC
 2431
 2461 GCT CAA TCT AAA GAG AGT GAA TTC CTT ATT TTG ATT AGC GA
 2491

1 MANHRS-KLAFKKTFFVFKRFLSKDLALVVFVIAIIIIIVPLPPFVLDLFTISIALS HpFlba
 1 MAONKIVDLVFPFLGPIAPVLKAKSLTIVGFLVCILAIIVPLPSPILDFFLALSIALS CjFlba
 1 MADAAPHNASSMPSAXSLDGLMRGEMGLAGVVGIIIVLLIIPVPAFLDVLALISLTGS CcFlbf
 1MNPDLHLNLRIGERKDIMLAVLLAVVFMVLPPLPLVDILIAVMTIS YpLcrd
 1MLLSLLNSARLRPELLILVLMVMIISMFIPLPTTYLVDFLIALNIVLA StInva
 1MVMIIAMLIIPPTTYLVDFLIGLNIIVLA SfmXia
 60 VLIILIGLYIDKPTDFSAFPTLLIIVTLVRLALNVATTRMILTQGYKGPSAVSIIITAFG HpFlba
 61 VLIILISIIYIPKFTDLTFTLILITLFLSLNIATTRMILSEGONGPEAVSEIIAAG CjFlba
 61 VLIILMTAILKKPLEFTSFPTVLLVTTLFRIGLNIATSTRILSHGOEGTGGAGAVIEAFG CcFlbf
 52 VVLLMIAIYINSPLQSAFPAVLLVTTLFRALNSVSTRMILLO-----ADAGQIVYTFG YpLcrd
 49 ILVFMGSFYIDRILSFSTFPAVLLITTLFRALNSISTSRILIEA-----DAGEIIATFG StInva
 29 ILVFMGSFYIERILSFSTFPAVLLITTLFRALNSISTSRILVDADR GK-----IITTFG SfmXia
 120 EFSVSGNTVIGAIIFSILVVLVLTNGSTRVTEVRARFALDAMPGKOMADADLNSGL HpFlba
 121 EFWVGGMVIGVIVFCILVLINFMVVTGSTRVSEVOARFTLDAMPGKOMADADLNSGL CjFlba
 121 FLMOGNFVIGVIVFIIIVVNTFMVVTGSGRIAEVAARFTLDAMPGKOMADADLNSGL CcFlbf
 107 NFWVGGMVIGVIVFIITIVQFLVITKGSERVAEVSARFSLDAMPGKOMSIDGDMRAGV YpLcrd
 104 OFVIGDSLAVGFVFSIVTVVQFIVITKGSERVAEVAARFSLDGMPGKOMSIDADLKAGI StInva
 84 OFVIGDSLAVGFVFSIVTVVQFIVITKGSERVAEVAARFSLDGMPGKOMSIDADLKAGI SfmXia
 180 IDDEAKKRAALSOEADFYGANDGASKFVKGDALIASIIITLNIIGGFLVGVFORDMSL HpFlba
 181 IDEOTARRROEVIAEANYGANDGSSKFIKGDVAGIIITIIIGGFLIGSFQHDML CjFlba
 181 ISODEAKIRKELEQUESTFFGANDGASKFVKGDALIASIIITAINIIGGIIIGVVOHKMPF CcFlbf
 167 IDVNEARERRPATIEKESOMFGSMGAMKFKGDALIASIIIFVNILGGVTIGVTOGLAA YpLcrd
 164 IDADARERRSVLERESOLYGSFDGAMKFIKGDALIASIIIFVNFIGGISVGMTRHGMOL StInva
 144 IDAAGAKERRSILERESOLYGSFDGAMKFIKGDALIASIIIFVNILGGISVGMSONHGMOL SfmXia
 240 SFSASTFTILTIGDGLVGOIPALIIATRTGIVATRTTONEEDFASKLITOLTNSKTLV HpFlba
 241 SDASTFTILTIGDGLVSOIPGLITSTATAIIITRASKDEENFAEGTLTOLLSEYRLLI CjFlba
 241 GDAASTFTIMTIGDGLVSOIPALIIISIAAGMVSKAGVESSADKALTOLAMPVGLGMV CcFlbf
 227 AEALOLYSILTVDGMVSOVPALLIATAGIIVTRVSSSDSLGSDIGKOVVAOPKAML YpLcrd
 224 SSALSTYTMLTIGDGLVQIPALLIASAGFIVTRVNGDTN-MGRNIMTOLLNPFVLV StInva
 204 SGALSTYTMLTIGDGLVSOIPALLISISAGFIVTRVNGSDN-MGRNIMSOIFGNPFVLI SfmXia
 300 IVGAIYC-FTIPGLPTFSLAFVGLFLFIAHLISREKDGILLTKLENYLSOKFGLDLSE HpFlba
 301 VGFVLFI-FALVPGLPTLSLGFMALVFLSLGYLTOKVKEGKI-----DITTVKSKPSAA CjFlba
 301 SASG-I-IALIPGMPIPPFAAMALA-----AGALAY CcFlbf
 287 IGGVLLLLFGGLIPGFTVTFLILALVGGGMYLSRKQSRANDANODLOSILTSGSGAPA YpLcrd
 282 VTAILTISMSTLPGFPLPVFVLSVLSVLYPKFPAKRSAAKPKTSKGEOPLSIEKE StInva
 263 VTSALALAIGMLPGFPFFVFLIAVTLTALFYKVKVEKSLSESDSSGYTG-----SfmXia
 359 KPHSSKIKPHAPTTRAKTOEEIKREEEOAIDEVLKIEFLELALGYOLYSLADMKOGGDL HpFlba
 355 VASOSGAGCTTAAPAKKSEEEILKEEENKINDILKVEILELELGYGLIKLAE----NLT CjFlba
 331 KRVODANKPKALDPADLEAAAPSEPEEPISASLAIDVVKIELGYGLLTINDLDGRKLT CcFlbf
 347 ARTKAKTSGANKGRLEGEAFAMTVPLLDVDS-----SOOEALANALN YpLcrd
 343 GSSLGLIGDLDRVSTE-----TVPLILLVPKSRREDLEKA StInva
 316TFDIDNTHDSSLAMENLDRISSETVPLILLFAENKINANDME SfmXia

FIGURE 3A

419 ERIRGIRKXIASDYGFLMPOIRIRDNLOLPPTHYEIKLKGIVIGEGMVMPPDKFLAMNTGF HpFlba
 411 ERIRSMRARSIAESLGFLMPKIRIRDNLRKPNTEYSFKLKGVSIAEIIYDPKYLAMDSGF CjFlba
 391 DOIRALRKTASEYGFVMPVVRILDNMLANOGYAIRIKEMEAGAGEVRLGCLMCMDFRG CcFlbf
 392 DELVRVRALYLDLGVPFPGIHLRFNEGMEGEYIISLOEVPVARGELKAGYLLVRESVS YpLcrd
 378 OLAERLRSOFFIDYGVRLPEVLLRDGRLDDNSIVLLINEIRVEOFTVYFD--LMRVVNY StInva
 359 GLIERIRSQFFIDYGVRLPTILYRTSNELKVDDIVLLINEVRADSFNIYFDKVCITDENG SfmXia

 479 VNKEIEGIPTKEPAF--GMDALWIETKWEZEAIIIOGYTIIDPSTVIATHTSELVKYAED HpFlba
 471 ITEEIEGIATKEPAF--NSDALWIDANLKDTEATNGYIVIDPASVISTHMSSELIKAHASE CjFlba
 451 GOVELPGEHVREPAF--GLPATWIADDLREEATFRGYTVDPATVLTTHLTELKENMAD CcFlbf
 452 OLELLGJPYEKGEHLLPDQEAFFVSVEYEERLEKSOLEFFSHSQVLTHLSHVLEREYAE YpLcrd
 436 SDEVVSFGINPTIHOOGSSOYFHVTHEEGKRELGYVLRNALDELYHCLAVTVARNVNE StInva
 419 DIDALGIPVVSTS--YNERVISWVDVSYTENLTNIDAKIKSAQDEFYHOLSQALLNNINE SfmXia

 537 FITWDEVKSLERLANDYFTIVEESK-KI-PTGAIRSVLOALLHEKIPKIDMLTILETIT HpFlba
 529 LLTROEVONLLDKVNDYPIIVEGAL-GVAPVSLIOKILKDLKHHIPIKIDMLTILESVS CjFlba
 509 LLSYAEVOKLLKELPETOKKLVDLIPGTVTATTVORVLOSLLRERSIRDLPQILEGVG CcFlbf
 512 FIGIOETRYLLEOMEGGYGELIKEVOR-IVPLORMTEILORLVGEDISIRNMRISILEAMV YpLcrd
 496 YFGIOETRYMLDOLAKFPDLLKEVLRH-ATVORISEVLORLLSERVSVRNMLIMEALA StInva
 477 IFGIOETRYMLDOLAKFPDLLKEVLRH-TIORISEVLORLLGENISVRNMLIMESLA SfmXia

 595 DIAPLVONDNVILTEOVRAPLSRVITNAFKSEDPKFLTFSTDSEOFLLNKLRENGTSK HpFlba
 588 DIAE-VSKSFDMIIEHVRA SLARMITNMYLDDKGNLDFILDSASSAVLMEHVORFGSY CjFlba
 569 EAPHTA-SVTOLVEOVRARLAROLCHANGDDGALPIITLSADWEQAFALIGPGDDK CcFlbf
 571 EHWOK-EKDVVOLTEYIRSSLKRYICYKANGNNILPAYLFDQEVVEEKIRSGVROTSAGS YpLcrd
 555 LWAPR-EKDVINLVEHIRGAMARYICHKF-ANGGELPAVMVSAEVEDVIRKGIROTSGST StInva
 536 LWAPR-EKDVITLVEHVRA SLRSYICSK-IAVSGEIKVMVLSGYIEDAIRKGIROTSAGS SfmXia

 655 SLLNNGELOKLIFAVSEEMKVLOKGIAPVILIVEPNLRKALSNAMEOARIDVIVLSHA HpFlba
 647 ELPLSVAOTGTLDVTLRAEVAAVANGRIKPFILCPEPOLRKFIADICYNFSINIVVLSFA CjFlba
 628 OLALPPSPLODFIRGVRDSFERAALAGEAFVLL-TSPGVRPYVRSIIERFRGOTVVMSON CcFlbf
 630 YLALPANTESLLEOVRKTIGDLSQIOSKP-VLIVSMDIRRYVRKIESEYGLPVLSYQ YpLcrd
 613 FLSLDPPASANLMDLITLKLDDLLIAH-KDLVLLTSVDVRRFIKMIIEGRFPDLEVLSFG StInva
 594 FLNMDIEVSDEVMTLAHALREL-RNAKQNFVLLVSVDIRRFVRLIDNRFSILVISYA SfmXia

 715 ELDPNSTFEALGTIHINF
 707 EIAENTNTEGIIRIEL
 687 EIHPRAPLKTVMV----
 689 ELTOOINIQLGRICL--
 672 EIASKSVNVIKTI----
 653 EIDEATTINVLKTI----

 HpFlba
 CjFlba
 CcFlbf
 YpLcrd
 StInva
 SfmXia

FIGURE 32

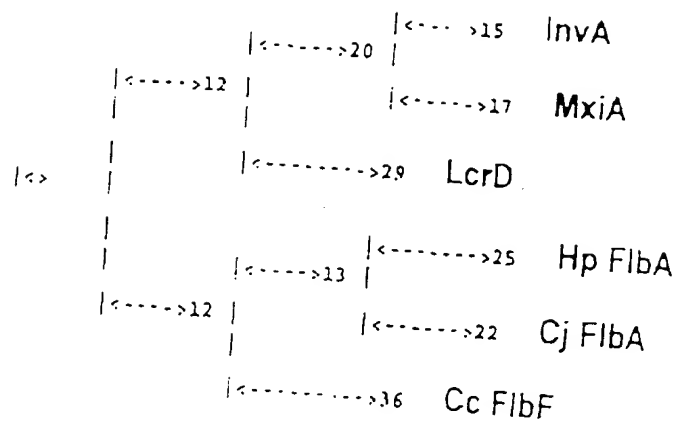


FIGURE 4

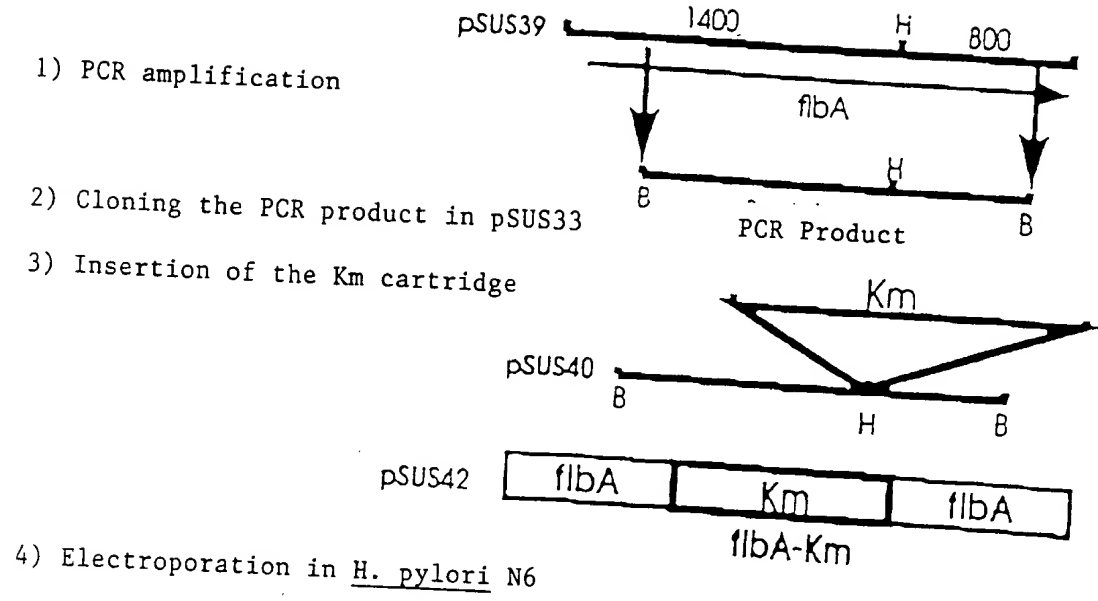


FIGURE 3

1 2 3 4 5

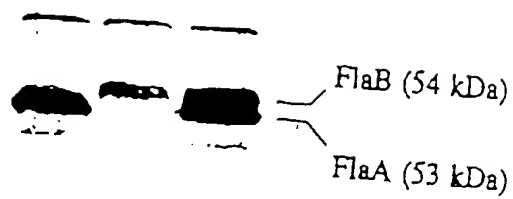


FIGURE 6

Distribution of the 300 FNTS serums relative
to the unscored N6f1BA strain
Extraction by means of N-octyl-glucoside

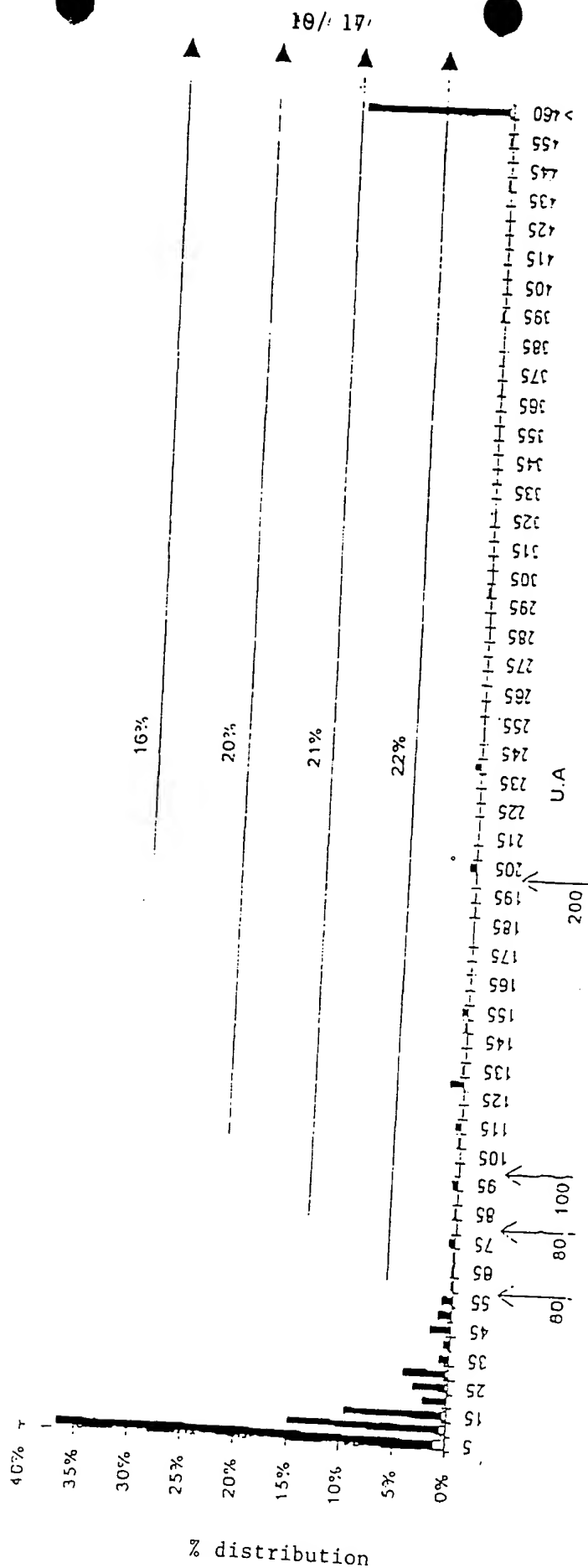


FIGURE 7

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Distribution of the 300 FNTS serums relative to
the scourged N6 strain
Extraction by means of N-octyl-glucoside

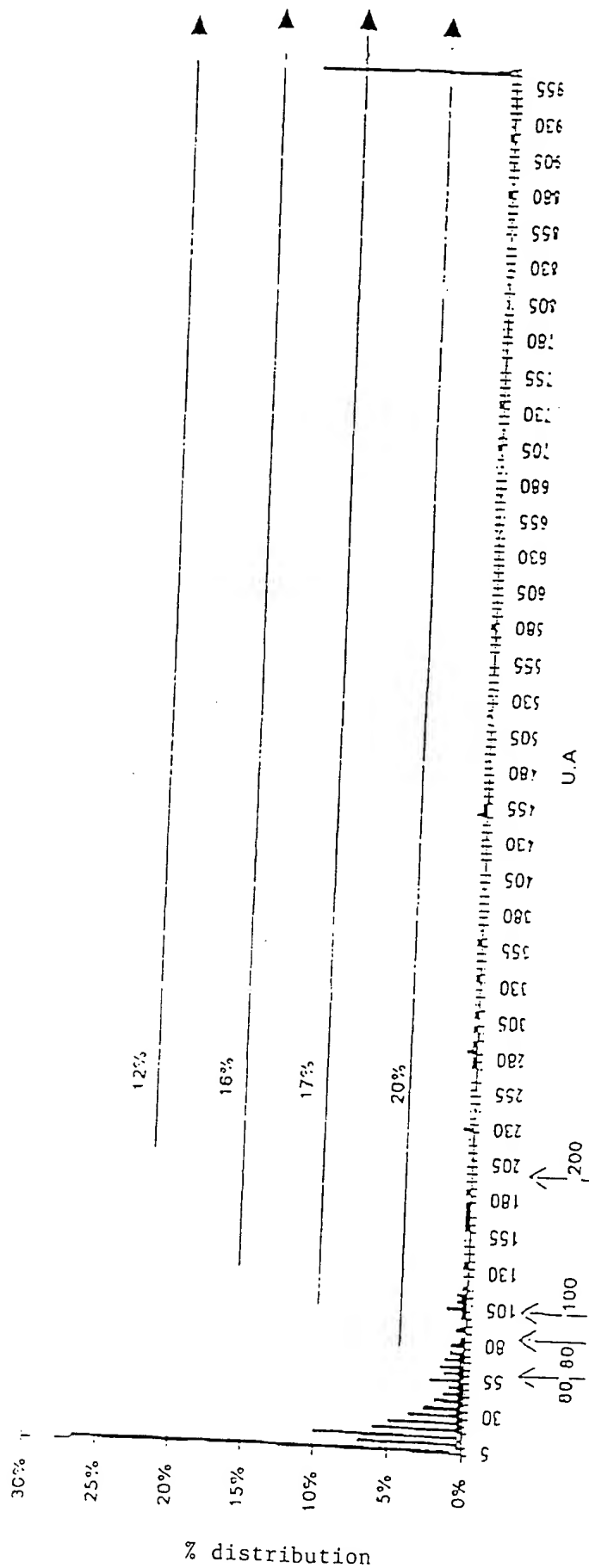


FIGURE 8

Distribution of the 300 FNTS serums relative to the
 discouraged N6flBA strain --
 Extraction by means of PBS

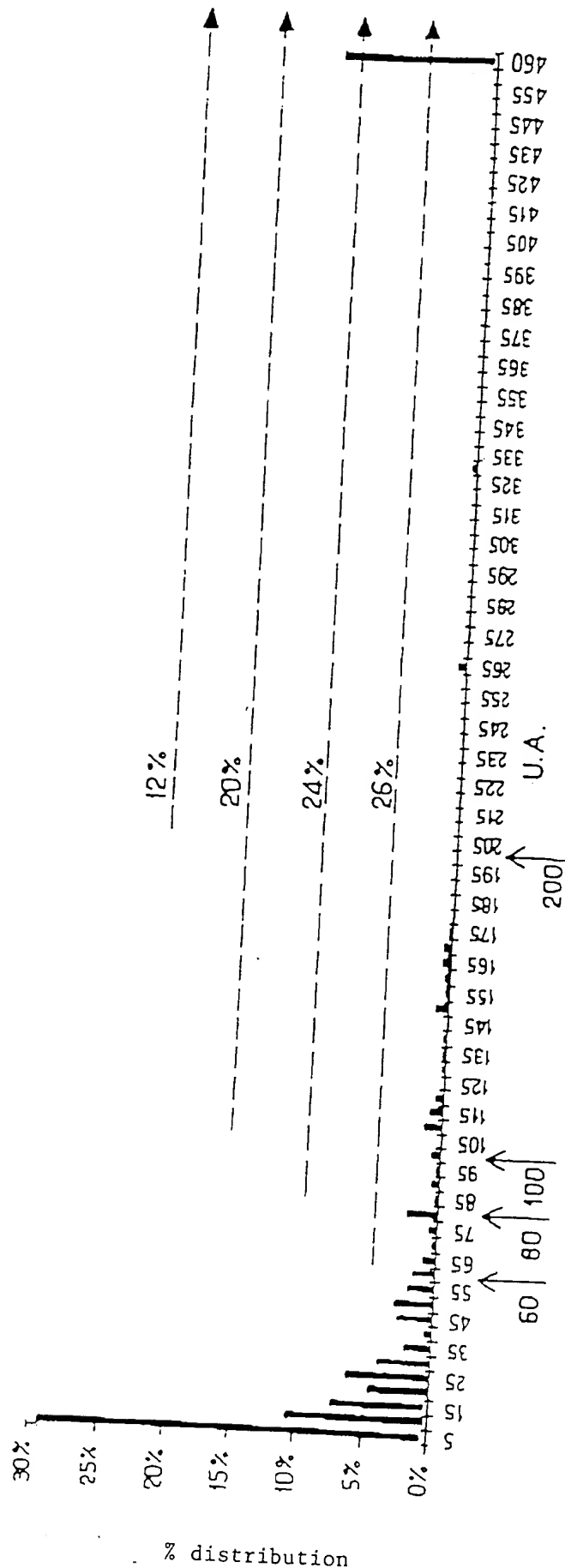


FIGURE 9

The presence of positiveness in 43 FNTS serums

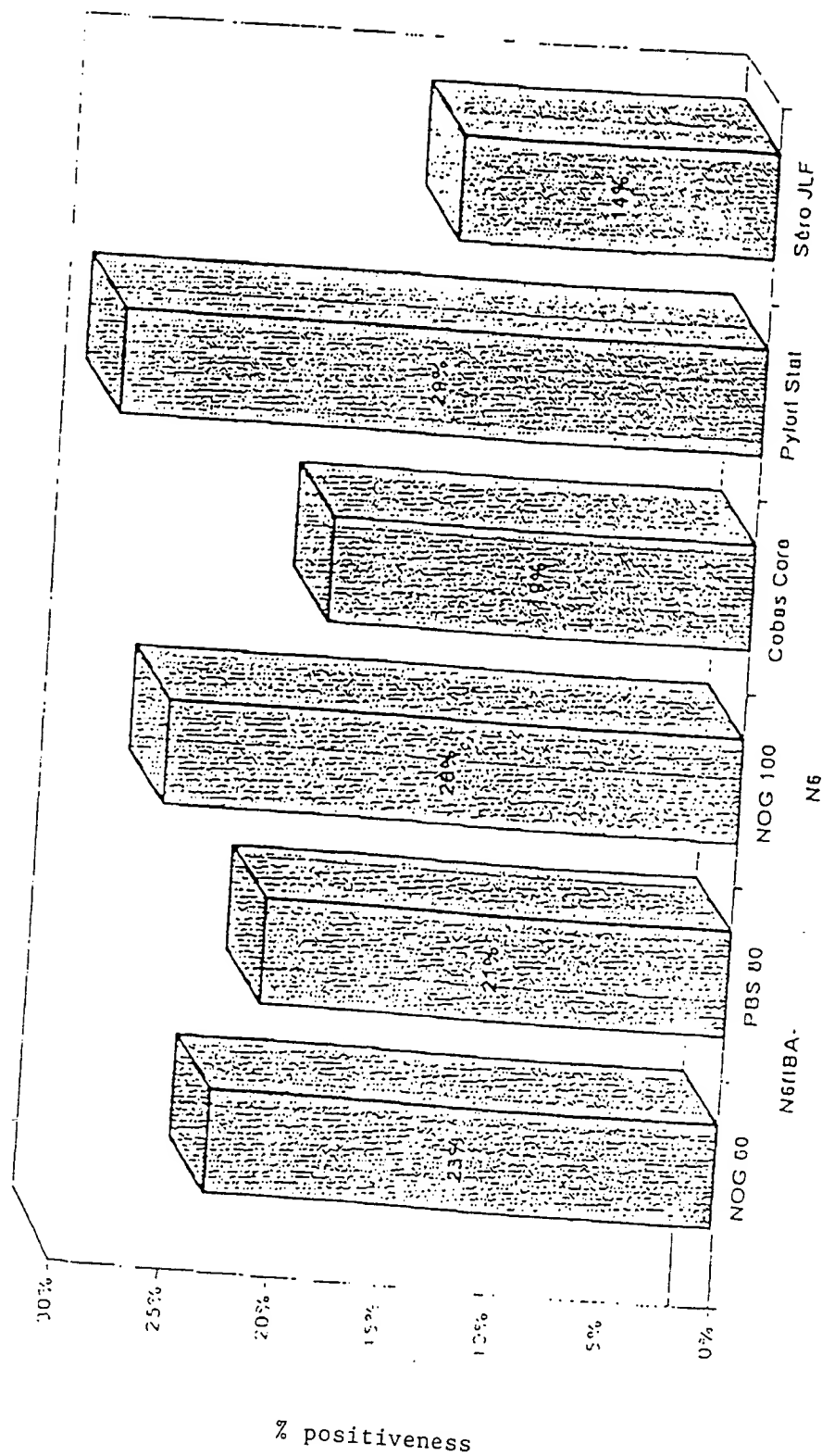


FIGURE 10

The ROC curve of the N6f1BA N-octyl-glucoside extract

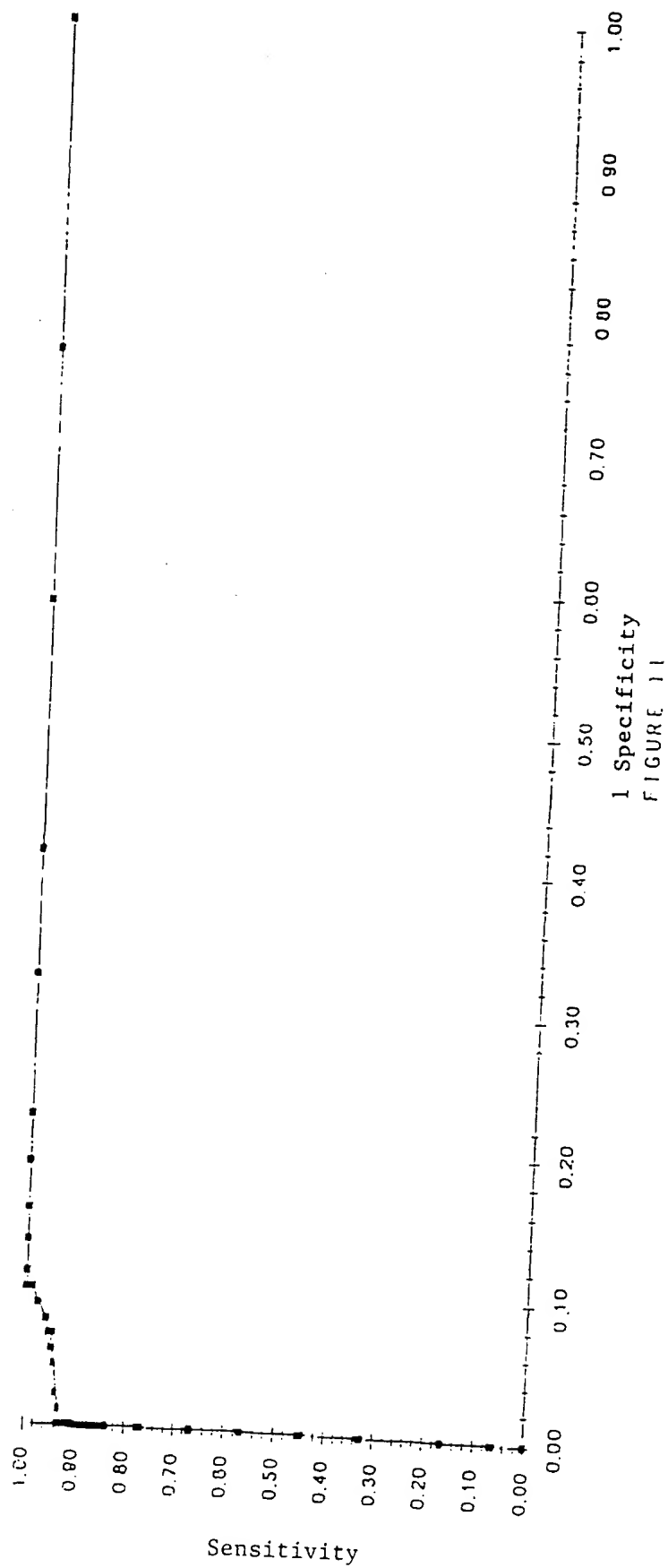
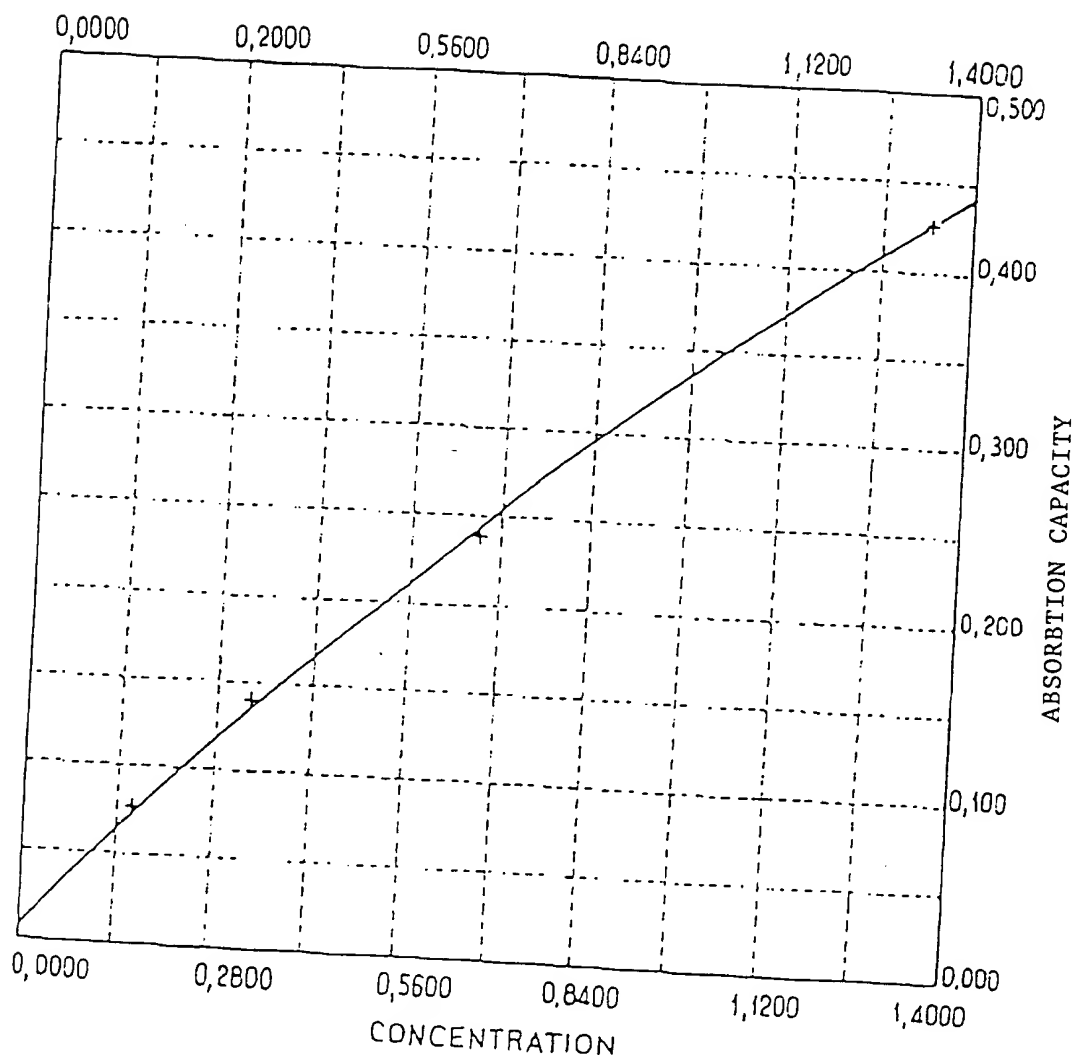
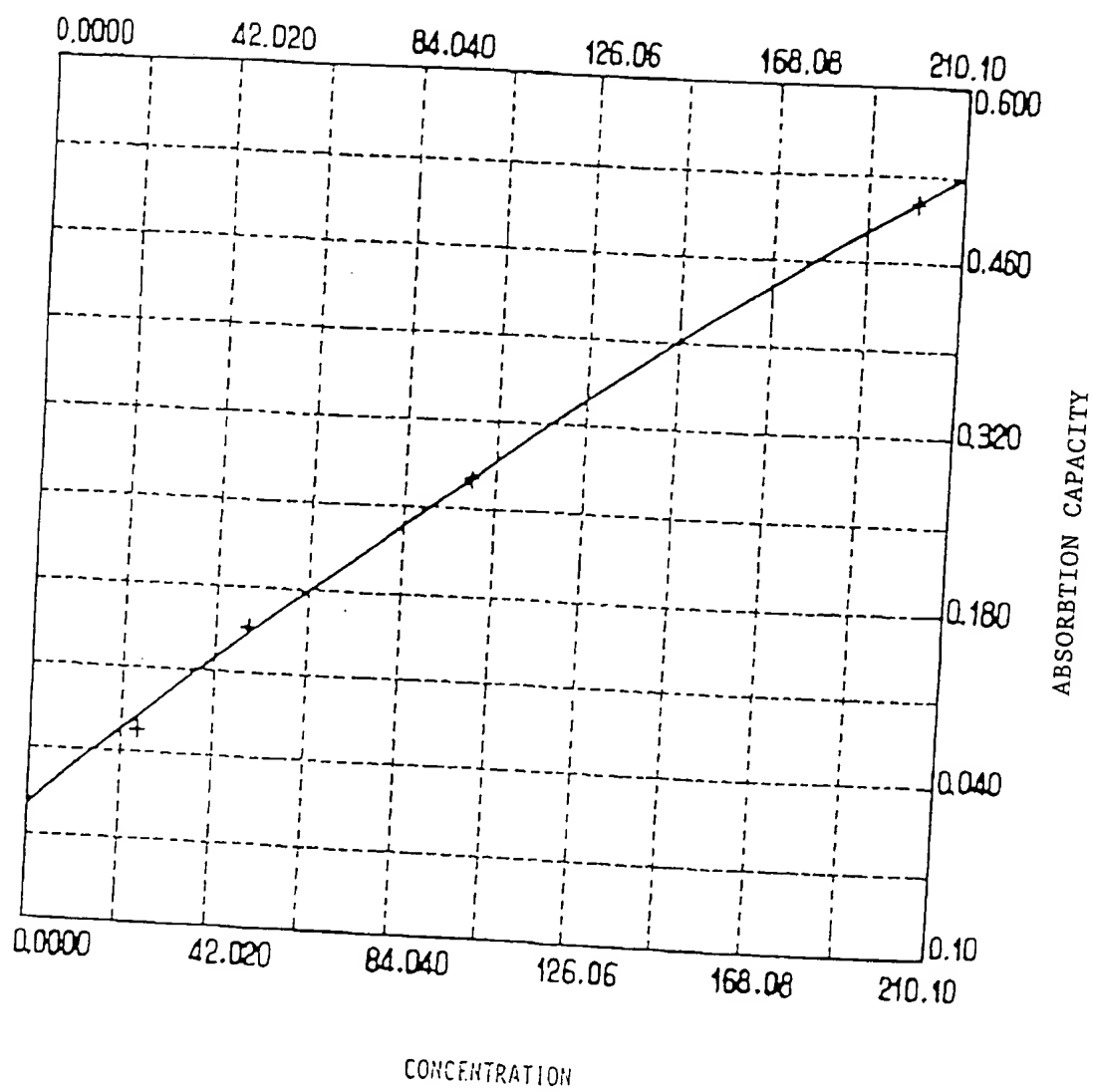


FIG. 12

AMOUNT II



Type of extract	DO @750nm	concentration in mg/ml
Glycine (after centrifuga- tion for 15 min @ 3000 g)	0,028	0,284
N-octyl-glycoside	0,087	1,004
Supernatant 1 (after 1st PBS washing)	0,059	0,844
Supernatant 2 (after 2nd PBS washing)	0,015	0,1105

FIG. 13(A)

Type of extract	DO@ 760 nm	concentration in $\mu\text{g/ml}$
Glycine (after centrifugation for 15 min @ 3000g)	0.279	202.86
<u>N-octyl-glucoside</u>	0.243	873.99
Supernatant 1 (after 1st PBS washing)	0.361	539.2
Supernatant 2 (after 2nd PBS washing)	0.218	77.875

Type of extract	DO@ 760 nm	concentration in $\mu\text{g/ml}$
Glycine residue (after 15 min of centrifugation at 3000g)	0.099	297.5
Glycine residue (after extraction)	0.093	2778.7
<u>N-octyl-glucoside (after extraction)</u>	0.275	972.0

FIGURE 13B